Position for a Computational Neuroimaging Scientist
The Rotman Research Institute, Baycrest Centre
University of Toronto

The Rotman Research Institute of Baycrest Centre for Geriatric Care invites applications for a Computational Neuroimaging Scientist, a core member of the Heart and Stroke Centre for Stroke Recovery (HSFCSR). The successful candidate will engage in a research program on computational methods and models that serve to integrate structural and/or functional neuroimaging modalities. The candidate must possess a PhD or equivalent and demonstrated experience in neuroimaging or computational neuroscience. The Rotman Institute is part of a large collaborative cognitive neuroscience community with research foci ranging from brain mechanisms of memory, attention and executive function, to their changes across the lifespan and resulting from brain damage or disease, to the development of cognitive rehabilitation strategies. Neuroimaging is a key methodology across all of these programs. The Rotman Research Institute has state-of-the-art electroencephalography and magnetoencephalography laboratories in-house, and a research-dedicated Siemens 3 Tesla MRI.

HSFCSR is a virtual organization made up of three leading healthcare centres: Baycrest, Rotman Research Institute and Kunin-Lunenfeld Applied Research Unit; Sunnybrook Health Sciences Centre; and the Ottawa Health Research Institute/University of Ottawa, in a unique public-private partnership with the Heart and Stroke Foundation of Ontario. More information about the Heart and Stroke Foundation Centre for Stroke Recovery, can be found at www.hsfcsr.ca

Some examples of research that a successful candidate would conduct are: development of new analytic approaches for any of the listed imaging modalities; development of computational tools to integrate data between different imaging methods; construction of biologically accurate models for dipole source localization in ERP and MEG. The candidate would work closely with the neuroscientists at the Rotman and collaborating institutes and will be eligible for an appointment at the University of Toronto at the assistant professor level. Applications are encouraged from qualified women and men, members of visible minorities, aboriginal peoples and persons with disabilities. In accordance with Canadian immigration requirements, this advertisement is directed initially to Canadian citizens and permanent residents.

Applicants should submit a covering letter describing current research interests and future research goals, a complete C.V., relevant reprints and the names of three potential references to:

Dr AR McIntosh, Director,
Computational Neuroimaging Scientist Search Committee
The Rotman Research Institute
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Review of applications will begin in December 1, 2008, and will continue until the position is filled.